

ABSTRACT OF THE DISCLOSURE

DEVICE FOR DRAWING AND DEPOSITING DROPLETS OF AT LEAST
ONE LIQUID, METHOD FOR USING THE DEVICE AND CONTROL
SYSTEM FOR SAID METHOD

The invention proposes the drawing and deposition of liquid droplets while preventing any contact with the ambient air before the liquid is deposited, by providing a device which can be closed, and which can be supplied to the user in the form of a pre-filled cartridge.

In a preferred embodiment of the invention, the device for drawing and depositing droplets (100) of at least one liquid (32) comprises an outer tube (101) with an opening (107) at one of the ends thereof, a flange (109) defining the opening (107), a rod (111, 211, 221) which can slide inside said outer tube (101), an inner volume (117) between said rod (111, 211, 221) and the outer tube (101), a capillary-sized open port (119) in the wall of said outer tube (101), and a closure element (113, 213) for closing said opening (107), connected to said rod (111, 211, 221). According to the invention, when said rod (111, 211, 221) is in a forward end position, said closure element (113, 213) comes into contact with the flange (109) and thus hermetically closes said opening (107) and, when said rod is not in this end position, a capillary-sized passage (115) enables the inner volume (117) to communicate with the outside.

Figure 1A.